

## NEW RECORDS OF AUSTRALIAN OSMYLIDAE (NEUROPTERA)

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*Australian Museum, P.O. Box A285, Sydney South, N.S.W., 2000*

### Abstract

New locality records are given for Australian Osmylidae (Neuroptera) based on material in the Australian Museum.

### Introduction

Identification of Osmylidae (Neuroptera) in the Australian Museum has provided additional locality records for several species. Some of the species are uncommon and have been seldom mentioned in literature; others are common but remarkably few details of localities are available, the distribution data often being couched in general terms. This is unfortunate because workers needing detailed data on distribution and seasonal occurrence are hampered by lack of information which can most conveniently be provided by taxonomists when dealing with specimens. The significant new records are given here.

### New records

#### EIDOPORISMINAE

*Eidoporisumus pulchellus* Esben-Petersen

NEW SOUTH WALES: 1 male, Narrabeen, xi.1961, J. Walsh.

This is a rare species. The type locality is Sydney, of which Narrabeen is a suburb. New (1983b) does not give locality details for the "dozen or so specimens" seen by him but they were from "Queensland or northern New South Wales" and the specimens on which he based his redescription of the species (loc. cit.) were from Carnarvon Range, Queensland.

#### KEMPYNINAE

*Australysmus lacustris* Kimmins

NEW SOUTH WALES: 1 female, Wilson's Valley, 24.i.1965, F. Evans.

New (1983a) mentions the type locality as Mt Kosciusko and records the species from Falls Creek and Mt Butler in Victoria.

#### STENOSMYLINAE

*Euporisumus albatrox* Tillyard

NEW SOUTH WALES: 1 female, ex<sup>+</sup> rain forest foliage, Wiangaree State Forest, 12.xii.1982, G. and T. Williams.

A record by New (1989) from Mt Tamborine, Queensland and the present specimen from New South Wales appear to be the only records other than the type series described by Tillyard (1916) from Killarney, Queensland.

*Oedosmylus latipennis* Kimmins

NEW SOUTH WALES: 2 males, Mt Tomah, 14.xii.1929, G.M. Goldfinch. 1 female, same locality, 12.i.1986, N.W. Rodd. 1 male, Mt Queen, Kanangra Rd, Boyd Plateau, 12.i.1973, L. Willan. 1 male, 2 females, Mt Kaputar, 10-12.i.1978, G. Daniels. 1 male, Paddy's River, Bago State Forest, 15.i.1980, C.N. and A.S. Smithers. 1 female, Mt Royal, N of Singleton, 26.i.1979, C.N. and A.S. Smithers. 2 females, Jenolan, 14-20.i.1985, G. Hangay. 1 male, 3 females, Mt Wilson, 22.xii.1981, A.S. Smithers. AUSTRALIAN CAPITAL TERRITORY: 1 male, Lees Ck, Brindabella Range, 27.xii.1974, G. Daniels.

*Oedosmylus montanus* Kimmins

NEW SOUTH WALES: 1 male, Jenolan, 14-20.i.1985, G. Hangay.

*Oedosmylus tasmaniensis* Krüger

NEW SOUTH WALES: 1 male, 1 female, Jenolan, 14-20.i.1985, G. Hangay. 1 male, New England National Park, 4.i.1966, C.N. Smithers.

*Oedosmylus brevis* New

NEW SOUTH WALES: 1 male, Dorriggo National Park, 28.ii.1987, D.K. McAlpine, B. Day, R. de Keyzer.

*Stenolysmus extraneus* (Walker)

NEW SOUTH WALES: 1 female, Heathcote, 15.iii.1963, R. Witchard. 1 male, Cudmirrah, iv.1965, E. Pope. 1 male, Mt Boyce, 16.iv.1971, D.K. McAlpine. 1 male, Narrow Neck, Blue Mts., 27.iii.1978, N.W. Rodd.

I can find only one precise locality for this species in the literature, Beecroft, near Sydney (Kimmins 1940).

*Stenosmylus stenopterus* McLachlan

NEW SOUTH WALES: 1 male, Gordon, 26.iv.1941, A. Musgrave. 1 female, Sydney, C. Gibbons. 1 female, Timor Rock, Warrumbungle Range, 26.iii.1971, D.K. McAlpine. 1 male, Grose Vale, near Richmond, 30.iii.1971, D.K. McAlpine, G.A. Holloway. 1 female, vicinity of Spring Ridge, 17 km NW Gulgong, 5.iv.1979, D.K. McAlpine, B.J. Day. 2 males, 1 female, Turramurra, 19.iv.1971, C.N. Smithers. VICTORIA: 1 female, Chandler's Creek, 29.iii.1976, C.N. Smithers.

The only published precise locality in the literature appears to be that of the designated type specimen (Kimmins 1940) from Bakewell, South Australia. Kimmins (loc. cit.) gives the distribution as South Australia, Victoria and New South Wales.

*Stenosmylus tenuis* (Walker)

NEW SOUTH WALES: 1 female, Timor Ridge, Warrumbungle Range, 26.iii.1971, D.K. McAlpine. 1 male, Dunedoo, 24.iii.1963, R. Lossin.

Kimmins (1940) does not give precise locality data for the specimens he examined other than the one from Adelaide. New (1974) records the species from Bundoora, Victoria.

PORISMINAE

*Porismus strigatus* (Burmeister)

The Australian Museum holds many specimens of this species with both sexes being well represented. In the following records only the dates and localities are given.

NEW SOUTH WALES: Lindfield, 6.v.1976, G. Daniels. 20.iv.1968, M.H. Gray. 10.iv.1965, O. Edwards. Camden, 9.iv.1968, J.V. Peters. Moonbar, 3-3500 ft, iii.1889, Helms. Como, 23.iv.1922, A.B. Wilson's Valley, 6.iii.1963, F. Evans. Pearl Beach, i.1986, C.A. Urquhart. Duckmaloi, 25.iv.1936, J.C. Wilburd. Yanco, x.1932, K.C. McKeown. Goonoo State Forest, 22.iii.1971, D.K. McAlpine. 17 km NW Gulgong, 15.ii.1979, D.K. McAlpine, B.J. Day. Sawpit Ck, Snowy Mts, 15.ii.1963, D.K. McAlpine. Scotland Is., near Sydney, 4.iv.1983, J. Lowry.

Despite the fact that this species is very common, widespread and easily identified there are few precise published locality records. New (1983b) gives the distribution as "south-eastern mainland Australia, common in Victoria and New South Wales, extends to S. Australia and to southern Queensland" as far north as Eidsvold. He examined c.200 specimens when redescribing this species.

**Comment**

Examination of collection data suggests significant differences in times of year when adult osmylids emerge. There appears to be a tendency for members of the genera *Stenolysmus* Kimmins, *Stenosmylus* McLachlan and *Porismus* McLachlan to emerge from March onwards whereas the other genera tend to emerge earlier in the season.

**Acknowledgements**

I would like to thank the many collectors who have presented material to the Australian Museum and Dr T.R. New for kindly providing me

with a manuscript copy of his revision of the genus *Oedosmylus* Krüger prior to its publication.

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